XP-002199668

AN - 1975-56352W [34]
CPY - ZAID
DC - B02 D16
FS - CPI
IC - C07D311/36 ; C12D9/00 ; C12D13/00
MC - B06-A01 B12-F05 B12-G01 D05-C
M2 - [01] H4 J5 H5 M123 M113 M282 M210 M211 M231 M270 M311 M320 D120 G100 M531 H442 H443 H444 J521 H541 H542 M511 M520 M540 P526 P610 M710 M412 M902
- [02] H4 J5 H5 M123 M113 M283 M210 M211 M231 M270 M311 M320 D120 G100 M531 H442 H443 H444 J521 H541 H543 M511 M520 M540 P526 P610 M710 M412 M902
- [03] H4 J5 H5 M123 M113 M282 M210 M211 M231 M270 M311 M320 D120 G100 M531 H442 H443 H444 J521 H541 H542 M511 M520 M540 P526 P610 M710 M412 M902
PA - (ZAID ) MICROBIAL CHEM RES INST
PN - JP50035393 A 19750404 DW197534 000pp
- US3973608 A 19760810 DW197634 000pp
- US3974184 A 19760810 DW197634 000pp
- CA1038317 A 19780912 DW197839 000pp
PR - JP19730085884 19730801
XIC - C07D-311/36 ; C12D-009/00 ; C12D-013/00
AB - J50035393 Novel isoflavone cpds. (I), (II) and (III): (I) (X = H; Y = OMe; Z = OH) (II) (X = OMe; Y = H; Z = OH) (III) (X = OMe; Y = OMe; Z = H) inhibiting catechol-o-methyl transferase (IV) were produced by Actinomyces roseolus ISP 5174. In an example, the microbe was cultured on a medium (pH 7.4) contg. soybean cake 2, glucose 1, starch 2, NaCl 0.25, CaCO3 0.35, CuSO4.5H2O 0.0005, MnCl2.4H2O 0.0005, and ZnSO4.7H2O 0.005% at 27 degrees for 5 days. The cpds. were extracted with BuOAc from the culture filtrate, concd., pptd. with petroleum ether, dissolved in Me2CO, and fractionated by a silica gel column chromatograph. By concn. to dryness of each fraction, pale yellow (I) m.pt. 176 degrees, yellow (II), m.pt. 180 degrees, and brown (III), m.pt. 215 degrees powders were obtd. at 58.0, 24.0 and 12.5 mg., resp., from 4 l. filtrate (IV) was inhibited at 50% by 50, 78 and 5gamma of cpds. (I), (II) and (III), resp. The cpds. also inhibited histidine decarboxylase. The cpds. reduced the blood pressure.
IW - COMPOUND INHIBIT CATECHOL METHYL TRANSFERASE PREPARATION CULTURE ACTINOMYCES ROSEOLUS
IKW - COMPOUND INHIBIT CATECHOL METHYL TRANSFERASE PREPARATION CULTURE ACTINOMYCES ROSEOLUS
NC - 003
OPD - 1973-08-01
ORD - 1975-04-04
PAW - (ZAID ) MICROBIAL CHEM RES INST
TI - Isoflavone cpd. inhibiting catechol-O-methyl transferase - prepd. by culture of Actinomyces roseolus ISP-5174